

REMARKS

All of the original claims, claims 1-9 have been cancelled. New claims 10-16 are submitted. Because of the more limited focus of the claims, and of the objections to the original claims, it appears to be more considerate to propose this new group of more specific claims. They have been written with the Examiners previous objections in mind and are believed to comply with them.

The claims as originally submitted covered many kinds of "camouflage", including the use of thermochromic layers whose visible color could be changed by changing the temperature of a viewed layer using Peltier cells.

Also, this layer could conceal a hot region behind it, by maintaining the viewed layer at a temperature which was not the same as the structure beneath it. This would frustrate heat-seeking missiles, for example.

The Examiner has cited references which show these techniques, and the claims have been rewritten to exclude them.

The invention as now specifically addressed in the new claims is an observable surface which by means of Peltier cells has a selected (variable) temperature. Embedded in the layer which is perceived is a myriad of conductive particles, for example fibers of carbon, copper or silver.

These particles change their dimensions with change of

temperature. The temperature variation need not be very large, and the changes in dimensions will be very small, often in nanometers, but as a consequence, the resonant frequency of the surface can quickly be adjusted to frustrate reflection of particular frequencies.


The Peltier cells can be made by deposition techniques, and can have a wide area.

This invention enables a body which is optically visible to be invisible to selective frequencies. The cited art does not show suggested radar protection, with the used Peltier cells, and more particularly not to deposited cells, or to embedded fibers.

It is respectfully submitted that the claims as now presented are properly allowable.

Reconsideration of this patent application and allowance are respectfully solicited.

Respectfully submitted,


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